INDEX

(R) Indicates Review

Adegoke, O. S., & T. F. J. Dessauvagie, A new *Campanile* from the Palaeocene of Western Nigeria, 327

Alkaline igneous province, West Pakistan, D. R. C. Kempe & M. Q. Jan, 395

Angewandten Geologie, Lehrbuch der (R), 293

Angus, N. S., A Pyroxene–Hornfels from the Basic Plutonic Complex, Co. Tyrone, Ireland, 277

Appinite xenoliths from Ben Nevis, H. W. Haslam, 341

Applegate, S. P., Ages of Tertiary rocks at Uloa and Umkwelane, Zululand, and their geomorphological significance, 89

Arber, E. A. N., The Coast Scenery of North Devon (R), 567

Arctic, Picture Atlas of (R), 565

Ash deposits in the Santiago area, Central Chile, Origin of, J. E. Guest & G. P. Jones, 369

Baker, P. G., Significance of the punctation mosaic of the Jurassic thecidellinid brachiopod *Moorellina*, 105

Ballachulish and Perthshire (Iltay) Dalradian Successions, Correlation of, N. Rast & M. Litherland, 259

Basalt lava from air into water, Flow of, J. G. Jones & P. H. H. Nelson, 13

Beavis, F. C., Cleavages and linear structures in Ordovician sandstones, Victoria, 429

Bennett, J. D., Craton–Mobile Belt relations with particular reference to the Mosetse–Matsitama area, N.E. Botswana, 113

Bentz, A., & H. J. Martini, Lehrbuch der Angewandten Geologie (R), 293

Biotite selvedges in migmatites, Significance of, C. J. Hughes, 21

Borradaile, G. J., The west limb of the Loch Awe Syncline and the associated cleavage fan, 459

Bouguer anomalies in some orogenic belts, Positive, M. Brooks, 399

Brooks, M., Positive Bouguer anomalies in some orogenic belts, 399

Brown, D. A., *et al.*, Geological Evolution of Australia and New Zealand (R), 171

Caledonides, Evolution of in the Northern Trondheim region, Central Norway, D. Roberts, J. Springer, & F. C. Wolff, 133

Caledonoid faults of northern Lleyn (North Wales), W. E. Tremlett, 235

Campanile (new) from the Palaeocene of Western Nigeria. O. S. Adegoke & T. F. J. Dessauvagie, 327

Campanile nigeriense sp. nov., 329

Campbell, I. H., *et al.*, Jimberlana Norite, Western Australia, 1

Cann, J. R., Upward movement of granitic magma, 335

Carbonate deposition on the river floodplains of the Wood Bay Formation (Devonian) of Spitsbergen, P. F. Friend & M. Moody-Stuart, 181

Carbonate Sedimentation and Environments, Shark Bay, Western Australia (R), 485
Carbonate Sedimentology in Central Europe, Recent developments in (R), 91
Carbonate Sediments and Reefs, Yucatan Shelf (A.A.P.G. Mem. 11) (R), 92
Choudhuri, A., Note on some garnetiferous biotite schists from Gangpur, Eastern India, 25
Cleavages and linear structures in Ordovician sandstones, Victoria, F. C. Beavis, 429
Cocks, L. R. M., *et al.*, Stage names within the Llandovery series, 79
Comores Archipelago, Western Indian Ocean, Geology of, J. Esson, M. F. J. Flower, D. F. Strong, B. G. J. Upton, & W. J. Wadsworth, 549
Contouring polar diagrams using curvilinear counting cells, B. Denness, 61
Cook, A. C., & K. R. Johnson, Early joint formation in sediments, 361
Craton–Mobile Belt relations with particular reference to the Mosetse–Matsitama area, N.E. Botswana, J. D. Bennett, 113
Crookall, R., Fossil Plants of the Carboniferous Rocks of Great Britain (R), 566
Dalrymple, G. B., & M. A. Lanphere, Potassium–argon dating. Principles, Techniques and Applications to Geochronology (R), 404
Davies, J. L., Landforms of Cold Climates (R), 565
Deformed igneous sheets in the Durness Limestone of the Strath district of Skye, R. Nicholson, 229
Degens, E. T., & D. A. Ross, Hot Brines and Heavy Metal Deposits in the Red Sea, a geochemical and geophysical account (R), 406
Denness, B., Method of contouring polar diagrams using curvilinear counting cells, 61
Derrick, G. M., *et al.*, Proterozoic palaeocurrent directions in the Kimberley Region, North-Western Australia, 249
Dessauvagie, T. F. J., & O. S. Adegoke, A new *Campanile* from the Palaeocene of Western Nigeria, 327
Devon (North), Coast Scenery of (R), 567
Devonian tabulate corals, Redescription of the lectotypes of, J. S. Jell & D. Hill, 159
Dines, H. G., *et al.*, Geology of the Country around Sevenoaks and Tonbridge (R), 563
Dolomitization and dedolomitization in the Senonian chalk of Northern Ireland, M. J. Wolfe, 39
Dott, R. H., & M. J. Reynolds, Sourcebook for Petroleum Geology (R), 290
Durness Limestone of Skye, Deformed igneous sheets in, R. Nicholson, 229
Earp, J. R., Age of Skomer Volcanic Rocks, 401
Earth's Crust, History of (R), 563
Egyed, L., Physik der Festen Erde (R), 173
England (Central): British Regional Geology (R), 484
Eocene (Upper) Brockenhurst Bed, E. Martini, 225
Esson, J., *et al.*, Geology of the Comores Archipelago, Western Indian Ocean, 549
Fabrics of Geological Bodies, Introduction to the Study of (R), 483
Fairbairn, H. W., *et al.*, Whole-rock Rb–Sr isotopic investigation of some East African granulites, 511

Firsoff, V. A., The Old Moon and the New (R), 175
Flinn, D., The Glacial Till of Fair Isle, Shetland, 273
Flower, M. F. J., *et al.*, Geology of the Comores Archipelago, Western Indian Ocean, 549
Fossil Plants of the Carboniferous Rocks of Great Britain (R), 566
Freudenthal, T., Stratigraphy of Neogene deposits in the Khania Province, Crete (R), 174
Friend, P. F., & M. Moody-Stuart, Carbonate deposition on the river flood-plains of the Wood Bay Formation (Devonian) of Spitsbergen, 181
Garnetiferous biotite schists from Gangpur, Eastern India, Note on, A. Choudhuri, 25
Gellatly, D. C., *et al.*, Proterozoic Palaeocurrent directions in the Kimberley Region, North-Western Australia, 249
Geological Evolution of Australia and New Zealand, (R), 171
Geological nomenclature, G. West, 168
Geological Survey (Great Britain)—
  Fossil Plants of the Carboniferous Rocks of Great Britain (R), 566
  Sevenoaks and Tonbridge, Geology of the Country around, (R), 563
Geology, Geography, and Related Sciences, New Deal in (R), 566
Geomorphology of Cold Environments (R), 291
Geophysics, International Dictionary of (R), 169
Geophysik, Einführung in die (R), 172
George, T. N., British Regional Geology: South Wales (R), 406
Glacial Till of Fair Isle, Shetland, D. Flinn, 273
Granitic magma, Upward movement of, J. R. Cann, 335
Great Dyke of Rhodesia, Lateral cryptic variation in, C. J. Hughes, 319
Green, G. W., Silurian Volcanic rocks of the Mendip Hills, Somerset, 562
Guest, J. E., & G. P. Jones, Origin of ash deposits in the Santiago area, Central Chile, 369
Hains, B. A., & A. Horton, British Regional Geology: Central England (R), 484
Harrison, R. K., *et al.*, Tectonic ripples and associated minor structures in the Silurian rocks of Denbighshire, N. Wales, 51
Haslam, H. W., Appinite xenoliths and associated rocks from the Ben Nevis igneous complex, 341
Hepworth, J. V., *et al.*, Whole-rock Rb–Sr isotopic investigation of some East African granulites, 511
Highland Border Ridge of N.E. Ireland, D. J. Sanderson, 531
Hill, D., & J. S. Jell, Redescription of the lectotypes of Devonian tabulate corals, 159
Hughes, C. J., Significance of biotite selvedges in migmatites, 21: Lateral cryptic variation in the Great Dyke of Rhodesia, 319
Hutt, J., & R. B. Rickards, Evolution of the earliest Llandovery monograptids, 67
Isotopic investigation of some East African granulites, C. M. Spooner, J. V. Hepworth & H. W. Fairbairn, 511
Israël, H., Einführung in die Geophysik (R), 172

Jan, M. Q., & D. R. C. Kempe, An alkaline igneous province in the N.W. Frontier Province, West Pakistan, 395
Jantaranipa, W., *et al.*, The Phuket group, Peninsular Thailand: a Palaeozoic ?geosynclinal deposit, 411
Jell, J. S., & D. Hill, Redescription of the lectotypes of Devonian tabulate corals, 159
John, B. S., The Pleistocene Drift Succession at Porth-Clais, Pembrokeshire, 439
Johnson, K. R., & A. C. Cook, Early joint formation in sediments, 361
Joint formation in sediments, A. C. Cook & K. R. Johnson, 361
Jones, G. P., & J. E. Guest, Origin of ash deposits in the Santiago area, Central Chile, 369
Jones, J. G., & P. H. H. Nelson, Flow of basalt lava from air into water, 13
Kempe, D. R. C., & M. Q. Jan, An alkaline igneous province in the N.W. Frontier Province, West Pakistan, 395
Kenyon, N. H., The origin of some transverse sand patches in the Celtic Sea, 389
Kumar, S., Oolites and deformation, 31
Laird, M. G., & W. S. McKerrow, The Wenlock sediments of N.W. Galway, Ireland, 297
Landforms of Cold Climates (R), 565
Le-Bas, M. J., & P. A. Mohr, Tholeiite from the Simien alkali basalt centre, Ethiopia, 523
Linear structures and cleavages in Ordovician sandstones, F. C. Beavis, 429
Litherland, M., & N. Rast, The Correlation of the Ballachulish and Perthshire (Iltay) Dalradian Successions, 259
Llandovery series, Stage names within the, L. R. M. Cocks, P. Toghill, & A. M. Ziegler, 79
Loch Awe Syncline and the associated cleavage fan, G. J. Borradaile, 459
Logan, B. W., *et al.*, Carbonate Sedimentation and Environments, Shark Bay, Western Australia, (R), 485
Lotze, F., Geologie in der nordostlichen Provinz Lugo (Nordwest-Spanien) (R), 90
Lovell, J. P. B., Palaeogeographical significance of lateral variations, Aberystwyth Grits, 147
Lynas, B. D. T., Clarification of the polyphase deformations of North Wales Palaeozoic Rocks, 505
Malaise, R., A New Deal in Geology, Geography, and Related Sciences (R), 566
Martini, E., The Upper Eocene Brockenhurst Bed, 225
Max, M. D., Metamorphism of Caledonian metadolerites in N.W. Co. Mayo, Ireland, 539
McCall, G. J. H. *et al.*, Jimberlana Norite, Western Australia, 1
McCurry, P., & J. B. Wright, Composite phonolite tholoids in the Cenozoic volcanic province of Nigeria, 357
McKerrow, W. S., & M. G. Laird, The Wenlock sediments of N.W. Galway, Ireland, 297
Metamorphic Textures (R), 172

Metamorphism of Caledonian metadolerites in N.W. Co. Mayo, Ireland, M. D. Max, 539
Middlemost, E. A. K., Pyrothalassite and the evolution of volcanic islands, 197
Mineral Industries, Seventh International Symposium (R), 403
Mitchell, A. H. G., *et al.*, The Phuket Group, Peninsular Thailand: a Palaeozoic ?geosynclinal deposit, 411
Mohr, P. A., & M. J. Le-Bas, Tholeiite from the Simien alkali basalt centre, Ethiopia, 523
Monograptids, Evolution of the earliest Llandovery, J. Hutt & R. B. Rickards, 67
Monograptus strachani sp. nov., 75
Moody-Stuart, M., & P. F. Friend, Carbonate deposition on the river floodplains of the Wood Bay Formation (Devonian) of Spitsbergen, 181
Moon, The Old and the New (R), 175
Moorellina, Significance of the punctation mosaic of the Jurassic thecidellinid brachiopod, P. G. Baker, 105
Mudstones in the Scanning Electron Microscope, D. J. W. Piper, 289
Müller, G., & G. M. Friedman, Recent developments in Carbonate Sedimentology in Central Europe (R), 91
Nelson, P. H. H., & J. G. Jones, Flow of basalt lava from air into water, 13
Neogene deposits in the Khania Province, Crete, Stratigraphy of (R), 174
Nicholson, R., A note on deformed igneous sheets in the Durness Limestone of the Strath district of Skye, 229
Nordwest-Spanien, Geologie in der (R), 90
Norite (Jimberlana), Western Australia, I. H. Campbell, G. J. H. McCall, & D. S. Tyrwhitt, 1
Nutt, M. J. C., *et al.*, Tectonic ripples and associated minor structures in the Silurian rocks of Denbighshire, N. Wales, 51
Oolites and deformation, S. Kumar, 31
Ordovician inarticulate brachiopod *Orthisocrania divaricata* (M'Coy), Stratigraphic distribution of, A. D. Wright, 97
Orthisocrania divaricata (M'Coy), Stratigraphic distribution of, A. D. Wright, 97
Osculocystis Paul 1967, A second specimen of, C. R. C. Paul, 383
Palaeogeographical significance of lateral variations, Aberystwyth Grits, J. P. B. Lovell, 147
Palaeozoic ?geosynclinal deposit: The Phuket Group, Peninsular Thailand, A. H. G. Mitchell, B. Young, & W. Jantaranipa, 411
Palaeozoic Rocks (North Wales), Clarification of the polyphase deformations, B. D. T. Lynas, 505
Palynology, Aspects of (R), 292
Parker, A., An Index of Weathering for silicate rocks, 501
Paul, C. R. C., A second specimen of *Osculocystis* Paul 1967, 383
Petroleum Geology, Sourcebook for (R), 290
Petrological museums, Need for establishment of central, S. S. Rao, 167
Phinney, R. A., The History of the Earth's Crust (R), 563
Phonolite tholoids (composite) in the Cenozoic volcanic province of Nigeria, J. B. Wright & P. McCurry, 357

Phuket Group, Peninsular Thailand: a Palaeozoic ?geosynclinal deposit, A. H. G. Mitchell, B. Young, & W. Jantaranipa, 411
Physik der Festen Erde (R), 173
Piper, D. J. W., Mudstones in the Scanning Electron Microscope, 289
Pleistocene Drift Succession at Porth-Clais, Pembrokeshire, B. S. John, 439
Plumb, K. A., *et al.*, Proterozoic palaeocurrent directions in the Kimberley Region, North-Western Australia, 249
Ponsford, D. R. A., Silurian Volcanic rocks of the Mendip Hills, Somerset, 561
Potassium–argon dating (R), 404
Pre-Cambrian and Lower Palaeozoic Rocks of Wales (R), 290
Pre-Cambrian diorite–granite plutonic series from Pembrokeshire, R. S. Thorpe, 491
Proterozoic palaeocurrent directions in the Kimberley Region, North-Western Australia, D. C. Gellatly, G. M. Derrick, & K. A. Plumb, 249
Publications received, 94, 176, 295, 407, 487, 569
Punctation mosaic of the Jurassic brachiopod *Moorellina*, P. G. Baker, 105
Pyrothalassite and the evolution of volcanic islands, E. A. K. Middlemost, 197
Pyroxene–Hornfels from the Basic Plutonic Complex, Co. Tyrone, Ireland, N. S. Angus, 277
Quaternary phonolite lavas from Tenerife, Canary Islands, Morphology of, W. I. Ridley, 559
Radiolarite and Ophiolite Nappes in the Iranian Zagros Mountains, Comments on, L.-E. Ricou, 479; A. J. Wells, 480
Rao, S. S., Need for establishment of central petrological museums, 167
Rast, N., & M. Litherland, The Correlation of the Ballachulish and Perthshire (Iltay) Dalradian Successions, 259
Red Sea, Hot Brines and Heavy Metal Deposits in (R), 406
Rickards, R. B., & J. Hutt, Evolution of the earliest Llandovery monograptids, 67
Ricou, L.-E., Comments on Radiolarite and Ophiolite Nappes in the Iranian Zagros Mountains, 479
Ridley, W. I., Morphology of Quaternary phonolite lavas from Tenerife, Canary Islands, 559
Roberts, D., *et al.*, Evolution of the Caledonides in the Northern Trondheim region, Central Norway, 133
Roemeria infundibulifera (Goldfuss), *Roemeripora minor* (Schlüter), and *Favosites goldfussi* d'Orbigny, Redescription of, 159
Runcorn, S. K. (Ed.), International Dictionary of Geophysics (R), 169
Sand waves in a depositional zone of the North Sea, Shape and size trends for, A. H. Stride, 469
Sander, B., Introduction to the Study of Fabrics of Geological Bodies (R), 483
Sanderson, D. J., The Highland Border Ridge of N.E. Ireland, 531
Sarawak Kiri region, Sarawak, Transcurrent faulting in the, H. D. Tjia, 217
Scour casts with inclined terraces, J. H. McD. Whitaker, 177
Sediments, Early joint formation in, A. C. Cook & K. R. Johnson, 361
Sevenoaks and Tonbridge, Geology of the Country around (R), 563
Sexual dimorphism in fossil Metazoa and taxonomic implications (R), 486

Silurian Volcanic rocks of the Mendip Hills, Somerset, G. W. Green, 562; D. R. A. Ponsford, 561
Skomer Volcanic Rocks, Age of, J. R. Earp, 401
Smith, E. G., *et al.*, Tectonic ripples and associated minor structures in the Silurian rocks of Denbighshire, N. Wales, 51
Smith, T. E., The structural characteristics of the Strathspey Complex, Inverness-shire, 201
Spooner, C. M., *et al.*, Whole-rock Rb-Sr isotopic investigation of some East African Granulites, 511
Springer, J., *et al.*, Evolution of the Caledonides in the Northern Trondheim region, Central Norway, 133
Spry, A., Metamorphic Textures (R), 172
Strathspey Complex, Inverness-shire, Structural characteristics of, T. E. Smith, 201
Stride, A. H., Shape and size trends for sand waves in a depositional zone of the North Sea, 469
Strong, D. F., *et al.*, Geology of the Comores Archipelago, Western Indian Ocean, 549
Tectonic ripples and associated minor structures in the Silurian rocks of Denbighshire, N. Wales, P. T. Warren, R. K. Harrison, H. E. Wilson, E. G. Smith, & M. J. C. Nutt, 51
Tertiary rocks at Uloa and Umkwelane, Zululand, and their geomorphological significance, Ages of, S. P. Applegate, 89
Tholeiite from the Simien alkali basalt centre, Ethiopia, M. J. Le-Bas & P. A. Mohr, 523
Thorén, R., Picture Atlas of the Arctic (R), 565
Thorpe, R. S., The origin of a Pre-Cambrian diorite–granite plutonic series from Pembrokeshire, 491
Tjia, H. D., Transcurrent faulting in the Sarawak–Kiri region, Sarawak, East Malaysia, 217
Toghill, P., *et al.*, Stage names within the Llandovery series, 79
Transcurrent faulting in the Sarawak–Kiri region, Sarawak, East Malaysia, H. D. Tjia, 217
Transverse sand patches in the Celtic Sea, Origin of some, N. H. Kenyon, 389
Tremlett, W. E., The Caledonoid faults of northern Lleyn (North Wales), 235
Tricart, J., Geomorphology of Cold Environments (R), 291
Tschudy, R. H., & R. A. Scott, Aspects of Palynology (R), 292
Tyrwhitt, D. S., *et al.*, Jimberlana Norite, Western Australia, 1
Upton, B. G. J., *et al.*, Geology of the Comores Archipelago, Western Indian Ocean, 549
Vegetational History of the British Isles, (R), 404
Volcanic rocks about mid-ocean ridges and the Kenya Rift Valley, Distribution of, J. B. Wright, 125
Wadsworth, W. J., *et al.*, Geology of the Comores Archipelago, Western Indian Ocean, 549
Wales (South): British Regional Geology (R), 406
Walker, D., & R. G. West, Studies in the Vegetational History of the British Isles (R), 404

Warren, P. T., *et al.*, Tectonic ripples and associated minor structures in the Silurian rocks of Denbighshire, N. Wales, 51
Weathering of Silicate Rocks, Index of, A. Parker, 501
Wells, A. J., Comments on Radiolarite and Ophiolite Nappes in the Iranian Zagros Mountains, 480
Wenlock sediments of N.W. Galway, Ireland, M. G. Laird & W. S. McKerrow, 297
West, G., Geological nomenclature, 168
Westermann, G. E. G. (Ed.), Sexual dimorphism in fossil Metazoa and taxonomic implications (R), 486
Whitaker, J. H. McD., Scour casts with inclined terraces, 177
Wilson, H. E., *et al.*, Tectonic ripples and associated minor structures in the Silurian rocks of Denbighshire, N. Wales, 51
Wolff, F. C., *et al.*, Evolution of the Caledonides in the Northern Trondheim region, Central Norway, 133
Wolfe, M. J., Dolomitization and dedolomitization in the Senonian chalk of Northern Ireland, 39
Wood, A., The Pre-Cambrian and Lower Palaeozoic Rocks of Wales (R), 290
Wood Bay Formation (Devonian) of Spitsbergen, Carbonate deposition in, P. F. Friend & M. Moody-Stuart, 181
Wright, A. D., Stratigraphic distribution of the Ordovician inarticulate brachiopod *Orthisocrania divaricata* (M'Coy) in the British Isles, 97
Wright, J. B., Distribution of volcanic rocks about mid-ocean ridges and the Kenya Rift Valley, 125
Wright, J. B., & P. McCurry, Composite phonolite tholoids in the Cenozoic volcanic province of Nigeria, 357
Young, B., *et al.*, The Phuket Group, Peninsular Thailand: a Palaeozoic ?geosynclinal deposit, 411
Ziegler, C. M., *et al.*, Stage names within the Llandovery series, 79